

GENOMIC PROFILING: A RAPID METHOD FOR TESTING A COMPLEX BIOLOGICAL SAMPLE FOR THE PRESENCE OF MANY TYPES OF ORGANISMS

Abstract of the Disclosure

The invention provides a method, referred to as genomic profiling, which simultaneously scans a complex biological sample for the presence of nucleic acid sequences (including genomic difference sequences, group-specific sequences, and DNA polymorphisms) that are diagnostic of numerous different types of organisms. Also included in the invention are probes, detection ensembles, and related molecules for use in the methods of the invention.

1. A method for detecting the presence of a specific organism in a complex biological sample, comprising the steps of: (a) extracting nucleic acid from the sample; (b) amplifying the nucleic acid using a set of primers; (c) hybridizing the amplified nucleic acid to a set of probes; and (d) detecting the presence of the specific organism based on the hybridization results.